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Complete if Known Substitute for form 1449B/PTO 09/727,554 INFORMATION DISCLOSURE **Application Number** STATEMENT BY APPLICANT Filing Date 12/04/2000 First Named Inventor Masahiro ARAI et al. Date Submitted: **Group Art Unit** 3748 Jaime W. Corrigan (use as many sheets as necessary) **Examiner Name Attorney Docket Number** of 040679-1173 Sheet 1

U.S. PATENT DOCUMENTS								
Examiner Initials*	Cite No.1	U.S. Patent Document			Date of Publication of	Pages, Columns, Lines, Where Relevant		
		Number	Kind Code <sup>2</sup> (if known)	Name of Patentee or Applicant of Cited Document	Cited Document MM-DD-YYYY	Rassages or Relevant ⊆Figures Appear		
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	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant	
		Office	3 Number4	Kind Code <sup>5</sup> (if known)	Applicant of Cited Documents	MM-DD-YYYY	Passages or Relevant Figures Appear	T <sub>6</sub>
76	A2	EP	1 063 393	A2	NISSAN MOTOR CO. LTD.	12/27/2000		
AC.	A3	wo	99/47800	A1	HITACHI LTD.	09/23/1999		
30	A4	EP	0 953 750	A2	NISSAN MOTOR CO. LTD.	11/03/1999		
JL	A5	DE	198 10 298	A1	DENSO CORP	09/24/1998		
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OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS									
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sub>6</sub>						
JL	A6	TOSHIO, "Output Controller for Internal Combustion Engine," Patent Abstracts of Japan, Vol. 1999, No. 062, February 26, 1999, JP 10-311231, November 24, 1998, 1 Sheet, Abstract.							
TC	A7	TAKASHI, "Solenoid Valve Controller," Patent Abstract of Japan, Vol. 1996, No. 12, December 26, 1996, JP 08-200025, August 6, 1996, 1 Sheet, Abstract.							
JC	A8	OSAMU, "Output Controller for Internal Combustion Engine," Patent Abstracts of Japan, Vol. 1997, No. 10, October 31, 1997, JP 09-170462, June 30, 1997, 1 Sheet, Abstract.							

Examiner Signature		Corrigno	Date Considered	7-21-03
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	Substitute fo	or form 1449B	/PTO		Complete if Known	OIPE
	INFORMATI	ON DISCLO	SURE	Application Number	09/727,554	
	STATEMEN	T BY APPLI	ICANT	Filing Date	12/04/2000	
Data	Cubmittad			First Named Inventor	Masahiro ARAI	NOV 1 9 2002
Date Submitted:				Group Art Unit	3748	(3) E
	(use as many s	sheets as ne	ecessary)	Examiner Name	Jaime W. Corrigan	Te. at
Sheet	1	of	1	Attorney Docket Number	040679-1173	FRADEMA

				U.S. PATENT DOCUMENTS	3	
		U.S. Patent D	ocument	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	Cite No.¹	Number	Kind Code <sup>2</sup> (if known)			
TC	B1	2001/0032613	A1	ARAI et al.	10/25/2001	
TC	B2	6,363,316	B1	SOLIMAN et al.	03/26/2002	
TC	В3	5,377,631		SCHECHTER	01/03/1995	
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	FOREIGN PATENT DOCUMENTS										
Examiner Initials*	Cite No.1	For Office <sup>3</sup>	reign Patent D Number⁴	ocument Kind Code <sup>5</sup> (if known)	Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Т6			
JC	B4	EP	1 063 407	A1	Hitachi, Ltd.	12/27/2000					
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JC	B5	PATENT ABSTRACTS OF JAPAN, Vol. 004, No. 132, September 17, 1980 & JP 55-087834 (Nissan Motor Co., Ltd.), July 3, 1980, Abstract.								

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Examiner	()	(	Date	3-15-04
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